BAYESOFT

DesignX

An integrated environment for complex trial design

AI-powered execution. Statistician-led decisions.

A statistical design agent built for statisticians

DesignX integrates evidence review, design specification and R execution. Compared with configuring a general agent such as Claude Code or Codex, its focused workflow reduces repeated setup and context transfer.

01 Evidence

Source records

- Population
- Endpoints
- Outcomes

Trials and literature

Approve the evidence

02 Design

A **Option A**
Common assumptions

B **Option B**
Common assumptions

Confirm the design

03 R analysis

R Inspectable code

Generate, run and debug

Review the code

04 Comparison

Trade-offs

Events
Power
Testing strategy

Compare and refine

Choose the design

Statistician guidance at every stage

Explore MORE Options Locate OPTIMAL designs

Compare power, event requirements and trade-offs to find the design that best fits your trial objectives.

Exploit AI power Supervised by human attention

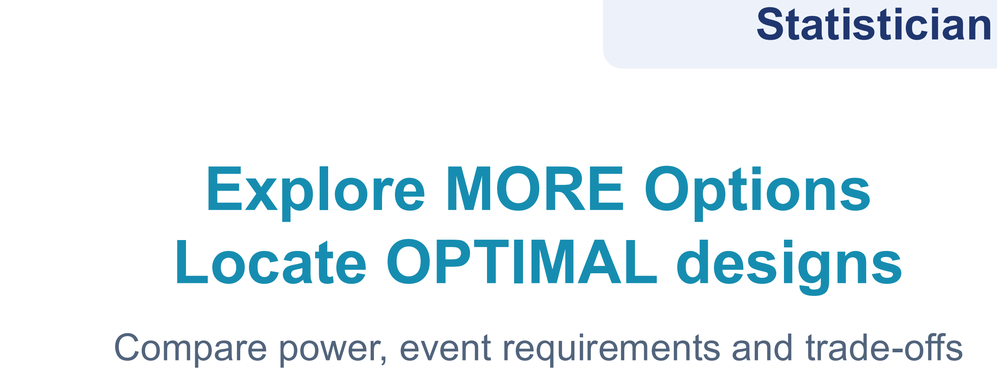
Revisit saved evidence, assumptions, R code and results.

ILLUSTRATIVE TROP2 ADC CASE / PFS IN ENDOMETRIAL CANCER

How should testing balance subgroup evidence and overall efficiency?

Both designs target approximately 90% overall-population power.

A Subgroup-first fixed sequence



B Split-alpha bidirectional recycling



B requires 226 fewer events (34%), with subgroup power of 74.7% vs 90.1%.

The statistician decides whether the event savings justify lower subgroup power.

Illustrative assumptions: HR 0.70 in both subpopulations, 50% subgroup events, 1:1 allocation, one-sided family α = 0.025. Joint-normal integration, ρ = √0.5.

Discuss your next trial design | info@bayesics.ai